

20001202.qrp v02_n024.qrl.20001202

Date: Sat, 2 Dec 2000 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2024

QRP-L Digest 2024

Topics covered in this issue include:

- 1) [85275] Re: QRP in 160 Meter Contest
by Phil Wheeler <w7ox@earthlink.net>
- 2) [85276] Best wattmeter
by "Karl F. Larsen" <k5di@zianet.com>
- 3) [85277] Re: Anyone worked TS5N?
by "Nick Yokanovich" <k3ny@toad.net>
- 4) [85278] Re: Antenna: Hamsticks for beam elements?
by Pat Byers <pbyers@rttinc.com>
- 5) [85279] Scope Tests: RF power
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [85280] Re: Measuring Power
by Steve Yates <aa5tb@yahoo.com>
- 7) [85281] Lockwashers for SO-239's
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 8) [85282] Battery voltage
by "James Parsons" <res075cz@gte.net>
- 9) [85283] Re: QRP in 160 Meter Contest
by w0av@juno.com
- 10) [85284] Re: Battery voltage
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 11) [85285] Re: Lockwashers for SO-239's
by Phil Wheeler <w7ox@earthlink.net>
- 12) [85286] Re: Battery voltage
by Phil Wheeler <w7ox@earthlink.net>
- 13) [85287] Fox HUNT #12
by Don Minkoff <cowchip@mediaone.net>
- 14) [85288] Re: Battery voltage
by "James Parsons" <res075cz@gte.net>
- 15) [85289] W6MMA, FT817, Antennas at NorCal Meeting
by Jerry Parker <jparker@fix.net>
- 16) [85290] Delaware or Wyoming QRPers??
by "Steve McDonald" <jsm@gulfislands.com>
- 17) [85291] Dan's 15% OFF SALE
by Jerry Parker <jparker@fix.net>
- 18) [85292] ant. or rig?
by neil tanner <ntan@crosslink.net>
- 19) [85293] Re: ant. or rig?

by Phil Wheeler <w7ox@earthlink.net>

20) [85294]
by Michael Goins <mgoins@usa.net>

21) [85295] Re: Results: Measuring Power
by "James R. Duffey" <jamesd1@flash.net>

22) [85296] RE: Battery Voltage
by "James Parsons" <res075cz@gte.net>

23) [85297] Change of QRP ARCI Awards Manager
by Radioham <radioham@home.com>

24) [85298] N0SXX from Lost Creek Wilderness @1200 MST
by Gary Slagel <gdslagel@yahoo.com>

25) [85299] OP: IAQRP-10 nets 2 X QRP QSO with GI (Northern Ireland)
by "John Burnley" <burnleyia@home.com>

26) [85300] QSO with CTs, broken key paddles & a microwave oven with a duck
by Nils B Young <rانتinen@juno.com>

27) [85301] 160mtr contest
by Roy <marion@montana.com>

28) [85302] Re: Change of QRP ARCI Awards Manager
by Ray Colbert <w5xe@juno.com>

29) [85303] Re: Change of QRP ARCI Awards Manager
by hamjoel@juno.com

30) [85304] Re: CQ Delaware and Wyoming...
by "Bob Tellefsen" <n6wg@earthlink.net>

31) [85305] Re: CQ Delaware and Wyoming...
by Phil Wheeler <w7ox@earthlink.net>

32) [85306] FOX-NK6A log for # 12
by Don Minkoff <cowchip@mediaone.net>

33) [85307] OT: CD-ROM Problem solved
by wb2vuo@juno.com

34) [85308] OT: QRP and Brazil
by "Heimo J. Lyden" <sm6lod@golfinho.com>

35) [85309] Re: 160mtr contest
by "Chuck Carpenter" <w5usj@globeco.net>

36) [85310] Aaaooogah, Aaaooogah, Aaaoooga: Error In Iowa QRP 10 Schematic
by "Doug Hendricks" <ki6ds@dospalos.org>

37) [85311] Electronics software/data page...
by "Michael Melland" <badger@vbe.com>

38) [85312] MSS PSK31 project test results (or, think I'll invest in a psk-80 :) longish
by n4qa@juno.com

39) [85313] K7Low Sunday @ 2000Z
by "K7FD K7Low" <cqdx@teleport.com>

40) [85314] Re: 160mtr contest
by Bob Patten <n4bp@bc.seflin.org>

41) [85315] Re: CQ Delaware and Wyoming...
by Larry S Cahoon <wd3p@juno.com>

42) [85316] Re: 160mtr contest
by Thomas Kuehl <ac7a@gci-net.com>

- 43) [85317] Kenwood TS-50 Service Manual
by "Karl F. Larsen" <k5di@zianet.com>
44) [85318] Re: RF Power Measurement with an Oscilloscope
by Wes Hayward <w7zoi@teleport.com>

Date: Fri, 01 Dec 2000 15:57:52 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: NA1XX@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85275] Re: QRP in 160 Meter Contest
Message-ID: <3A283B00.72B6E71@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NA1XX@aol.com wrote:

>
> Folks, Top band is hopping.
> In the past 20 minutes of very casual (read sloppy) contesting, I worked 12
> stations in 8 different sections from home (Eastern Mass) out to SC and Ohio.
>
> Rig is just my faithful QRP+ at 5 watts and my 40 meter horizontal loop with
> feeders tied together and fed as a random wire against ground.
> If you want to see how well QRP cw works on 160, tonite and tomorrow are the
> nights. The band is packed and you can work anything you hear.
>

Encouraging, Mike. I just tied my G5RV halves together and am feeding it against ground using my K2 at 5 watts. The K2's internal tuner (an option) is loading it to 1.1:1, so it should work.

Lots of noise (RF-type), but narrow xtal filters should help.

A bit early to see if I will work anything out here (1600 PST local time), but I'm hopeful; if I do, it will be my first foray into topband in 47 years as a ham. I'm glad I added 160 to my K2 last month.

73, Phil W7OX

Date: Fri, 1 Dec 2000 17:03:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu

Subject: [85276] Best wattmeter
Message-ID: <Pine.LNX.4.10.10012011659410.900-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is the best QRP wattmeter in the world. Take a good thermometer and epoxy a 5 watt 50 ohm resistor to it. Measure start temp and end temp and make a chart.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 1 Dec 2000 19:08:19 -0500
From: "Nick Yokanovich" <k3ny@toad.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85277] Re: Anyone worked TS5N?
Message-ID: <006701c05bf3\$fb134ae0\$ecbc21a2@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

TS7N and TI5N were both active in CQWW CW last weekend.
TS7N was scheduled to be active in Tunisia until 28 November.
You can QSL any contacts via DL6BCF. Others have already given the web address for that DXpedition, and info for TI5N.

Vy 73, Nick K3NY

Date: Fri, 01 Dec 2000 17:17:43 -0700
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85278] Re: Antenna: Hamsticks for beam elements?
Message-ID: <5.0.2.1.2.20001201171523.00a5e040@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>

>Ed
>I've seen a Canadian ham's site where he put up a beam, I think for 20m,
>using Hamsticks or equivalents for the elements. Still had a full size boom
>to obtain gain and pattern, etc.
>You might be able to find it again by searching on the web.
>73, Bob N6WG

The Ham in question is Russ Wilson VE6VK and the URL for the site is
<http://www.eng.mu.edu/~usi/hamstick.html>

Hope this helps.

73,

Pat Byers VE6AAN

Date: Fri, 1 Dec 2000 18:54:51 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <Doug.Davies@gems3.gov.bc.ca>
Cc: <qrp-1@Lehigh.EDU>
Subject: [85279] Scope Tests: RF power
Message-ID: <002101c05bfa\$7a5f9550\$5ac07481@rohredt2000>

Doug,
Here are some things to help you measure power with the scope.

The 3 dB rating of the scope will of course affect your being able to sync up to the RF, but the HP 180 has plenty of bandwidth for HF. The plug in also must be rated as to 3 dB point well above the frequency you are testing. For 40M, you should have a 20MHz or better scope, and that is cutting it close. 100 MHz for HF work is better.

Now for an AC signal like RF, you want to sync the scope to display a few sine wave cycles by setting the trigger to Auto, Internal, and to AC or DC. Note there are AC/DC settings for the vertical channel on the plug in, and there are a number of settings that must be compatible on the Trigger section of the Timebase.

There is a possibility that the scope timebase has some maladjustment, thus a good test is to see if you can lock to the internal cal signal usually on a test point on the front of most good scopes. This is a square wave, essentially another form of AC signal. And of course the AC power line at 60 Hz is another test signal. If you can lock to the internal test frequency which is usually in the AF range of khz, then you should be able to use a similar trigger settings at a shorter time base per div. setting to lock the RF signal. If you do not ever get locked to a low frequency AC,

then you likely cannot lock to the RF. For locking to RF, you likely will be using the microsecond per division timebase step which would show one cycle of 1 MHz per each horizontal division.

Some scopes have added controls for frequency selection on the vertical input channel, and you should use maximum bandwidth there as a starter.

An essential item is to have a probe whether 10:1 or 1:1 that is high enough bandwidth itself. Some are only rated to lower HF, and you should use at least one rated to pass 100 MHz. Any marginal bandwidth anywhere in your measurement tools and instruments will affect the accuracy of the resulting RF measurement when you calculate the power with a voltage that is off. A 10:1 probe is less likely to load down your signal source and affect the accuracy of the voltage you are measuring. This is the same principle as using a 10megohm per volt meter rather than one of only 20,000 ohms per volt. The higher impedance means less loading of the voltage signal you are measuring.

For more complete information on the use of a scope try the TEKTRONIX web site application notes, and possibly the web of Fluke Philips Electronics will have others.

Here is an alternate idea to check your scope measurements: Make up an RF probe of a germanium diode. The detector circuits such as used for forward power section of an SWR bridge is a starter circuit, although you do not need the 50 ohm resistors. Connect this RF probe or a commercial one such as the Fluke 85 to your DVM of at least 10 megohms per volt sensitivity. Use a voltage DC scale in the expected range of voltage. (By ohms power law using a 50 ohm load you can predict what voltage you would have for a given power.) See if the detected DC voltage is about the RMS voltage you measured with the Scope, (converted Peak voltage)

Added information is in the Measurements Chapter of the ARRL Handbooks. Hopefully these procedures will be helpful.

72,

Stuart K5KVH

Date: Fri, 1 Dec 2000 16:57:33 -0800 (PST)
From: Steve Yates <aa5tb@yahoo.com>
To: Doug.Davies@gems3.gov.bc.ca, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85280] Re: Measuring Power
Message-ID: <20001202005733.3966.qmail@web3003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca> wrote:

> Also, I tried to get the trace to form a sine wave, as I've heard it's
> supposed to do. No matter what I did with the knobs on the scope, all I got
> was the two-line trace with a bunch of green shading in between. Is this a
> potential symptom of something bad or my ineptitude with the scope?

It sounds like the horizontal sweep is not triggering properly. Make sure that you have the oscilloscope setup to trigger off of the same channel that your scope probe is hooked up to and adjust the trigger level to the point where the trace is stable. The horizontal sweep should be set to around 0.05us or 0.01us to be able to view a 7MHz sine wave. If you still can't get it to trigger properly then you may either have a problem with the 'scope or your transmitter may have spurious emissions that are confusing the trigger circuit.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?

Yahoo! Shopping - Thousands of Stores. Millions of Products.
<http://shopping.yahoo.com/>

Date: Fri, 01 Dec 2000 21:24:43 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Cc: hqrp@stevens.com
Subject: [85281] Lockwashers for S0-239's
Message-ID: <4.3.2.7.2.20001201212148.00bac6e0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Anyone know of a source for 5/8 inch lockwashers for single hole S0-239's,

a la my ZM-2?

I've found that my ZM-1 kit and ZM-2 both need them. I'm looking for the little thin ones, either internal or external tooth.

Don't need a box of 100 but might buy one if that is the only way to get them. I need about a dozen.

Ed Manuel
N5EM

Date: Fri, 1 Dec 2000 21:25:51 -0600
From: "James Parsons" <res075cz@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [85282] Battery voltage
Message-ID: <010701c05c0f\$92d56fa0\$7c640304@dsl.vz.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am getting ready to build a QRP rig and want to be sure my digital voltmeter is calibrated on the DC range. I suspect it is off.

I will use as a reference a fresh D cell and nine volt battery. My question is, are these batteries EXACTLY 1.5 and 9 volts respectively, or some fraction over the stated amount?

Thanks and 73

Jim, K5ROV

Date: Fri, 1 Dec 2000 03:22:51 -0600
From: w0av@juno.com
To: w7ox@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [85283] Re: QRP in 160 Meter Contest
Message-ID: <20001201.032601.-781881.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Phil & Other Top-banders,

I have been on 160 for the past couple of hours with my K2 (SN 550) and have 85 contacts.

Best DX was VP5K who got my call, but couldn't get my state. Maybe tomorrow night.

The band is in wonderful shape. I've been working 160 since 1935.

72/73/74 de George/W0AV
SOC#101

PS Tomorrow night, listen on 3570 for the Antique Wireless Association's contest. I'll be running a 1930-something 210 tube oscillator at 5W output, whoops, chirps and all.

GFF

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 02 Dec 2000 04:01:25
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: res075cz@gte.net
Cc: qrp-l@lehigh.edu
Subject: [85284] Re: Battery voltage
Message-ID: <F284tXsL1c00goZolmR0000baea@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

They are NOT exactly those voltages, usually higher when new. I have found that most 3 terminal voltage regulators (7805, 7812, etc) are very close to what they should be and will probably be a better calibration standard than dry cells.

>

>I will use as a reference a fresh D cell and nine volt battery. My

>question

>is, are these batteries EXACTLY 1.5 and 9 volts respectively, or some

>fraction over the stated amount?

Get more from the Web. FREE MSN Explorer download : <http://explorer.msn.com>

Date: Fri, 01 Dec 2000 20:02:29 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: n5em@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85285] Re: Lockwashers for S0-239's
Message-ID: <3A287455.7C2E389C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Ed Manuel (N5EM)" wrote:

>
> Gang,
>
> Anyone know of a source for 5/8 inch lockwashers for single hole S0-239's,
> a la my ZM-2?
>
> I've found that my ZM-1 kit and ZM-2 both need them. I'm looking for the
> little thin ones, either internal or external tooth.
>
> Don't need a box of 100 but might buy one if that is the only way to get
> them. I need about a dozen.
>

Ed, have you looked at your local hardware store? I don't know abt that item, but my local Tru Value has all sorts of odd stuff when I look far enough (or bug enough people there).

73, Phil

Date: Fri, 01 Dec 2000 20:05:46 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: res075cz@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85286] Re: Battery voltage
Message-ID: <3A28751A.ED6F4F02@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

James Parsons wrote:

>

> I am getting ready to build a QRP rig and want to be sure my digital
> voltmeter is calibrated on the DC range. I suspect it is off.

>

> I will use as a reference a fresh D cell and nine volt battery. My question
> is, are these batteries EXACTLY 1.5 and 9 volts respectively, or some
> fraction over the stated amount?

>

Always over when new. For example, a string of 10 AA alkalines is a bit
over 16 volts when new (in my ten-cell holder), or over 1.6 volts per
cell on the average.

If your DVM measures resistance, one way of testing it would be to get a
precise (e.g., one percent) resistor and see if the ohmeter scale reads
in accurately.

BTW .. why do you suspect your meter?

73, Phil

Date: Fri, 01 Dec 2000 20:25:38 -0800
From: Don Minkoff <cowchip@mediaone.net>
To: qrp-l@Lehigh.EDU
Subject: [85287] Fox HUNT #12
Message-ID: <3A2879C2.5B8266BF@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a note to thank everyone for their patience in my first outing as a
FOX. I was amazed at the huge pileup. Scared me back into my hole.

I had some rough starts and a few broken pencils before settling
down. Only had 76 Q's but will try to improve next week when I get
another chance. I will try a few things different. Must try to get you
hounds to spread out a bit more (those that can). I will be more
considerate for those with limited range RIT or no RIT.

I appreciate the repeat of calls. It was quite hard to make out calls
the first time. Must tighten up my filter settings.

I used the Yaesu FT1000MP with the 500Hz filter and even DSP. The antenna was a Force 12C4 at 40 ft. Never tried the vertical.

--

Don Minkoff - NK6A

Date: Fri, 1 Dec 2000 22:38:35 -0600
From: "James Parsons" <res075cz@gte.net>
To: "Mike WA8BXN" <hubby2k@hotmail.com>
Cc: <qrp-l@lehigh.edu>
Subject: [85288] Re: Battery voltage
Message-ID: <013b01c05c19\$bcccc0940\$7c640304@dsl.vz.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, I agree...a 7805/7812 might be a better way to go. I will try that and see how my reading compares with the stated voltage.

Thank you and 73 de Jim, K5ROV

----- Original Message -----
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <res075cz@gte.net>
Cc: <qrp-l@lehigh.edu>
Sent: Saturday, December 02, 2000 4:01 AM
Subject: Re: Battery voltage

>
> They are NOT exactly those voltages, usually higher when new. I have found
> that most 3 terminal voltage regulators (7805, 7812, etc) are very close
> to
> what they should be and will probably be a better calibration standard
> than
> dry cells.
> >
> >I will use as a reference a fresh D cell and nine volt battery. My
> >question
> >is, are these batteries EXACTLY 1.5 and 9 volts respectively, or some

> >fraction over the stated amount?

>

>

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<http://explorer.msn.com>

>

>

Date: Fri, 01 Dec 2000 20:48:38 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [85289] W6MMA, FT817, Antennas at NorCal Meeting
Message-ID: <2.2.32.20001202044838.006aceb8@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Verne Wright W6MMA will be at the NorCal meeting this

Sunday with his new FT817 and His PW1 along with a

Great list of accessories to go with the antenna.

Date: Fri, 1 Dec 2000 22:39:07 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85290] Delaware or Wyoming QRPers??
Message-ID: <001801c05c2a\$95718300\$6711f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are there any of you out there??

VE7SL

Date: Fri, 01 Dec 2000 23:22:55 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [85291] Dan's 15% OFF SALE
Message-ID: <2.2.32.20001202072255.00e877d0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan has posted a 15% OFF End of the Year Sale.

Begins December 1st
Ends December 31st

url: <http://www.fix.net/dans.html>

Lots of new listings too

Enjoy,,,72,,,Jerry

Date: Sat, 02 Dec 2000 06:52:37 -0500
From: neil tanner <ntan@crosslink.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [85292] ant. or rig?
Message-ID: <3A28E285.AC56FFB0@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good morning all--

In order to work Hellshreiber, I have to use my ft101ee. I keep the power down to about 10 watts. Usually work 20m. I put up a balance feed dipole in the spring. Prior to that I used my random wire vertical (no feedback on that pse....its still vertical to me!) I have hb qrp rigs for 40, 30 and 20. All load up fine. The 101ee loads up 20 and 40 fine but when I tried the dipole on 80, no output was indicated on the fwd side of the swr meter. I was getting a reading on the po meter on the yaesu...using my rf-1, I tune the antenna so I get a 1.9-1 swr. Before I put the dipole up, I used the RWV on all bands include 80 (had to add a little more wire at the base for that band) and the 101ee seemed ok then. I can't try the vertical now because it is down for the moment.

Anybody on the list go any ideas why the ant. looks happy on 80 but the 101ee doesn't agree? Tnx
Neil wa4chq

Date: Sat, 02 Dec 2000 06:20:18 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: ntan@crosslink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85293] Re: ant. or rig?
Message-ID: <3A290522.EF3C4AA9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Neil,

To really understand what is going on with yourr dipole, more info is needed. Like:

- o What is its length?
- o What type of line are you feeding it with (balanced 300 ohm, 450 ohm, etc.)? How long are the feeders? Are you using any sort of balun?
- o When you tune it to 1.9:1, are you doing that with an antenna tuner, by changing the feeder length, by changing the dipole length, etc.?
- o If not a tuner, what is the interface between the FT-101EE and the antenna?
- o When using it on 40/20/10, what do you do to make it work with multiple bands?

Note that the RF-1 SWR mode assumes you are using a 50 ohm (or so) feedline .. or converting to 50 ohms prior to the RF-1. The VA-1, on the other hand, lets to select feedline impedance.

I suggest you reply to the list, since I may be leaving town later this weekend, and out of touch.

73, Phil W70X

neil tanner wrote:

>

> Good morning all--

> In order to work Hellshreiber, I have to use my ft101ee. I keep the
> power down to about 10 watts. Usually work 20m. I put up a balance
> feed dipole in the spring. Prior to that I used my random wire vertical
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> fwd side of the swr meter. I was getting a reading on the po meter on
> the yaesu...using my rf-1, I tune the antenna so I get a 1.9-1 swr.
> Before I put the dipole up, I used the RWV on all bands include 80 (had
> to add a little more wire at the base for that band) and the 101ee
> seemed ok then. I can't try the vertical now because it is down for the
> moment.
> Anybody on the list go any ideas why the ant. looks happy on 80 but the
> 101ee doesn't agree? Tnx
> Neil wa4chq

Date: 2 Dec 00 09:52:00 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-1@LeHigh.EDU
Message-ID: <20001202145200.3055.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

A22HH is on 10 meter SSb at 28.545. Caught him calling CQ and worked him =
with
1 watt via MOJO and the new heil goldline before the pileup started. =

mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sat, 02 Dec 2000 08:13:22 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <Doug.Davies@gems3.gov.bc.ca>, qrp-1 <qrp-1@lehigh.edu>
Subject: [85295] Re: Results: Measuring Power
Message-ID: <B64E5FA2.3E60%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Doug - It seems like you are almost doing things right and that the Little Joe probably does not have any catastrophic problems.

The scope you have should measure things fine at 7 MHz. Scope bandwidths are usually specified to the -3dB point, which would make your 50 MHz scope flat to at least 25 MHz or so.

I am not intimately familiar with your scope being a Tektronix man, but there are many similarities between scopes of different brands

There are two reasons you may see the smeared pattern. The most probable is that you are not triggering properly on the signal. Triggering starts the scope's sweep generator at a specified input level, either from the signal being measured or from an external source. Thus for a periodic waveform you end up displaying the same part of the waveform for each time the sweep sweeps. The wave appears to stand still. If you don't trigger, the sweep will start at a different point on the waveform and the smear you describe results.

Before going much further though, lets review some basic scope settings. Since you are measuring an AC signal I would set the scope input on AC. Most scopes have an AC/DC switch near the input. It sounds like you have the amplitude setting set properly. Some scopes give you a choice of a 50 Ohm impedance input or high impedance (usually 1 MegOhm or more) input. You want the high impedance input since you are measuring a 50 Ohm load. If you use the 50 Ohm input the input impedance and the dummy load will form a voltage divider, giving a lower reading than is real.

Set the time base next. You probably want a full cycle on the scope to take up a couple of divisions or so. The period of a 7 MHz signal is 0.14 microseconds, so a time setting of 0.05 to 0.1 microseconds/division should be a good starting place.

Now it is time to set triggering. Be sure that the time base is set to trigger off internal and from the input you are measuring. Then adjust the trigger level to make the pattern stand still. You may also wish to try the auto trigger feature that some scopes have.

Paul, NA5N, wrote a series on using an oscilloscope some years ago. I don't know if it is on the web or not. Perhaps Paul can enlighten us. The Handbook also has a good section on oscilloscopes.

Now as to why your Little Joe transmitter is only putting out 0.64 watts instead of the twice that you expect. You are pretty close, so there probably aren't any serious errors in your transmitter. I think that is essentially the transmitter that Hayward and deMaw describe in "Solid State Design for the Radio Amateur", so you may wish to look there for hints in trouble shooting. You should check to make sure that the toroid(s) and

capacitor in the final network are of the proper value. Every time a wire goes through the hole in the toroid it counts as a turn. It doesn't have to go around the toroid, only through the hole. If you have too many turns (even one more), then the power could be reduced as the cutoff frequency of the output filter will be lowered, which will reduce the power. Be sure that you have a power supply that can supply enough current. Key down the supply should still furnish close to 12 Volts. Check for bad solder joints.

I hope that this helps. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 2 Dec 2000 09:36:09 -0600
From: "James Parsons" <res075cz@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [85296] RE: Battery Voltage
Message-ID: <003c01c05c75\$98365340\$7c640304@dsl.vz.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I want to thank all those who answered my message about calibrating my digital multimeter. I got many, many replies. At first I answered them individually but I may have missed some, so let me thank all with this message.

I got some very interesting comments and some great ideas. Some suggested using Zeners, voltage regulators, special circuits and some other novel ideas.

I thank each of you. I don't know what I will use yet but at least I have a starting point.

This is a great source of information and I am thankful for the reflector.

73 de Jim, K5ROV
James (Jim) Parsons, K5ROV, CMSgt, USAF, Ret., Ham for 58 yrs.
k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Sat, 02 Dec 2000 10:42:11 -0500
From: Radioham <radioham@home.com>
To: qrp-1@lehigh.edu
Subject: [85297] Change of QRP ARCI Awards Manager
Message-ID: <5.0.2.1.0.20001202103948.00a14cb0@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

This is a general heads up for all of you interested in the QRP ARCI awards program. A detailed article about this upcoming change will appear in the Winter QRP Quarterly, but I want to give you as much advance notice as possible.

Effective January 1, 2001, the reins for the QRP ARCI Awards Program will be handed over to Thom Durfee, WI8W. When I became the awards manager in January, 1999, I did so hoping to give back to the QRP community some of the benefits I have received from it over the past several years.

If nothing else, I believe I have helped to increase awareness of our awards program. The number of awards issued has increased dramatically over the past 24 months. When I started, I was receiving 3 to 5 applications a month, now I often get 3 or more applications a week. During the last two years, I issued (up to Nov 1, more will be issued prior to January 1, 2001) approximately 183 1,000 mile per watt awards. That is roughly equal to the total number issued in the previous 4 1/2 years. I don't take any credit for anything other than making you more aware that the awards are out there for you to receive - it's been your interest in the awards program, the renewed vitality of QRP, the internet list and the many QRP clubs which all add up to lots of hams discovering or rediscovering QRP.

I hope the transition to having Thom as your awards manager goes smoothly. Because of the time lag in issuing awards, all applications submitted after December 10, 2000 should be sent to:

Thom Durfee, WI8W
2781 Woodlake Road SW, #4
Wyoming, MI 49509.

Thom's e-mail address is wi8w@arrl.net, should you have any questions for him. I will forward any mail I receive after December 10 to him so he can issue your award. If I get your application and you sent a check made out to me, don't worry, I will cash it and then send him the money. Same with cash, I'll just send him a check for the amount. Please, as you have been doing so well with me, make your checks out to Thom Durfee, not QRP ARCI.

There are several lessons learned from my experience working with you, the US Post Office and banks. First, please make sure to use the application forms on our web page at <http://www.qrparci.org>. The two most popular forms, the applications for the 1,000 Mile Per Watt Award and the multi-purpose GCR application for WAS, WAC and DXCC, should also appear in hard copy in this issue. It makes life a whole lot easier when you fill them out completely, especially the location portions for both stations on the 1,000 miles per watt application. Second, you must enclose some evidence to show that a QSO has taken place - this can be a copy of a QSL card (no originals), an e-qsl, a copy of an e-mail or letter confirming the contact, or a printout of a Fox contact list or other third party verification. For WAS, WAC and DXCC (as well as QRP 25), you just need to send contact information and the endorsement of two other hams on the application that they witnessed the actual documents proving the QSOs. You certify the power used - we trust you. Awards are issued for the lowest power used in the QSO, even if you want a companion award issued to the other ham in the QSO. And last, for US stations only, please enclose a check or money order made out to Thom or send IRCs or cash. If you are in a foreign country, please do not send a check or money order. Even if banks here do accept them, they often impose fees that exceed the \$2 value. I strongly recommend 2 \$1 bills in a folded sheet of paper. I have never had a single problem with cash being removed from an envelope. This actually applies to US hams also, if you want to avoid having to write a check.

Finally on the application process, we are not in a position to accept e-mail applications - since you still have to send the application fee, you might as well fill in the form and mail them all together with the QSO verification. We do, however, appreciate when you enclose your e-mail address. This lets us ask a question if there is something we don't understand in your application, rather than taking a guess, possibly wrong.

I encourage everyone to apply for the awards for which they are eligible - the certificates are very nice looking, look great in frames and you get a real feeling of achievement. And please remember the ham at the other end - they are working hard to make your QSO a success. An award for them may heighten their interest in QRP or, at the very least, be a thank you for helping you earn your award. We all know it takes two to make a valid QSO.

Thank you all for allowing me to be your awards manager. I have enjoyed the experience and I am sure Thom will do an excellent job for you. Hope to meet all of you on the air.

72/73,

Steve, N4EUK
Reston, VA

Date: Sat, 2 Dec 2000 08:03:24 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [85298] N0SXX from Lost Creek Wilderness @1200 MST
Message-ID: <20001202160324.4007.qmail@web215.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey guys...

I'm taking a short hike into Lost Creek Wilderness in Colorado today with my sw20+ and a little hustler vertical.

Plan to get on the air (approximately 14.060)at about noon MST and should be there for about an hour.

If ur around, please listen.

73, gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Yahoo! Shopping - Thousands of Stores. Millions of Products.
<http://shopping.yahoo.com/>

Date: Sat, 2 Dec 2000 09:57:53 -0600
From: "John Burnley" <burnleyia@home.com>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>
Cc: <QRP-L@lehigh.edu>
Subject: [85299] OP: IAQRP-10 nets 2 X QRP QSO with GI (Northern Ireland)
Message-ID: <000501c05c78\$a11f7c40\$1b790818@c149552-a.west1.ia.home.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang. Just a quick note to do a happy dance.
Just bagged a 2xCW QRP QSO with GI3POS/QRP
using the IAQRP-10. All the info for the IAQRP-10
is in the latest issue of QRPP (journal of the NorCal
QRP Club...if you are not a member then join now
and start receiving one of the best QRP publications
around). The IAQRP-10 is an SST based rig with
mods by Mike Fitzgibbon (N0MF). Mike really did a
great job with the development of this rig and I've
had a lot of fun using one of his early prototypes.

Don't forget the IAQRP-10 building duel between
Chuck Adams, K7QO, and Jim Kortge, K8IQY. Doug
Hendricks (KI6DS) issued the challenge to them
both with the entire QRP-L group to do the voting. See
Doug's post of November 28, 2000 on QRP-L for the
details and how to monitor the progress of these two
fine builders.

I would like to thank Doug KI6DS who has really gotten
behind Mike in promoting this fine rig and getting the
FB article into print. Also thanks to Paul Harden NA5N
who did the excellent illustrations for the QRPP article.
This is a fun rig and I hope many of you take the plunge
in building it and snagging some DX with it!

For those interested in building the rig, NorCal may offer
a parts kit if there is enough interest. If you are seriously
thinking about building this rig, let Doug know so he can
make his decision on whether to kit the parts. He can be
reached at: ki6ds@dph.dpol.net .

Again my thanks to all who brought us this fine project.

72, John NU0V

Date: Sat, 2 Dec 2000 15:52:55 +0000
From: Nils B Young <rantinen@juno.com>
To: QRP-L@lehigh.edu
Subject: [85300] QSO with CTs, broken key paddles & a microwave oven with a duck

Message-ID: <20001202.155259.-174613.1.rantinen@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Droogies!

(A little Anthony Burgess to start your day . . . "A puff of keef in the morning makes a man as strong as ten thousand camels in a courtyard . . ." [which I think is from a Paul Bowles book title or something])

First off, with the paddle part busted, and after two or three kinds of glue I gave up & hauled all that mechanical out of there. Stuck a stereo jack in one of the holes, wired it to the appropriate points on the keyer board & then put one of my two NorCal paddles in the box.

Next week I xerox the appropriate pages from various manuals (USN, ARRL, Tom Perrera's web site &c) on adjustin' the straight key & then put the box in another box & set the puppy off to Mike. And in the meantime I got lots of Rahsaan Roland Kirk to listen to . . .

A slight distraction to explain an interesting episode: If there were time machines, I'd go back and slap the crap out of myself for ever goin' on a "turn-on-a-thon" with one of the local hippie grand poobahs. Had I not gone on that trip to the woods, I would never have had to pass up on a CTI position. But then I'd just have gone nuts & that would have been that. Did real well on the language test . . . And did ok on the CW test, which is why I ended up a radioman, which led to serious interest in this stuff, which leads directly to ham radio and then, of course, directly to this posting . . .

I remember, when asked what I'd thought of the language test by one of the PN's, saying something like "It was easy. The language -- whatever it was -- was based on an Indo-European schema, standard SOV language . . ."

At which point I got the "Smart-a..." look & learned that the average score was 14.

Would have been interesting, if it weren't for all them hippies. (You couldn't get a TS/crypto clearance for the CT rate if you had been even downwind from a spliff back then . . .)

In retrospect I guess I was lucky. I got be a RM anyway & did a lot of stuff with stuff that the CTs on the list don't even want to imagine thinking about talking about . . . Like them boards for some piece of gear that I saw in a bucket a couple years ago at Dayton . . . Often wonder what TS surplus skid them things came off of . . .

Now, about this 160m contest: I have a decent antenna. Decent grounds. But I'm trying to run 5W. No answers. Like I can hear "the other guy" resume his CQ right in the middle of me sending my callsign. (And we won't talk about how the SG2020 was superceded by the K2 hands down in this instance . . .)

Maybe one of youse is on the air & will gimme a Q.

73

Nils

. . . from my copy of "The Bluejackets' Manual," ca 1967:
"Communications Technician [CT] Perform special communication duties under cognizance of the CNO." What? What does that mean? Everybody else gets four or five lines . . . 'Cept for the OTs (Oceanographic technicians) who would receive commendations that they couldn't frame or even have copies of in their personnel files . . .

Nils R. B. Young -- El Gringo Errante -- W8IJN -- The Tagalong Press
<http://www6.50megs.com/w8ijn> -- <http://members.fortunecity.com/nilsbull>
"In MY day you had to FIGHT to have finals! Every DAY was a STRUGGLE!"
Comrade Nikolai

Sergeiovich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 02 Dec 2000 16:46:59 -0700
From: Roy <marion@montana.com>
To: qrp-1@Lehigh.EDU
Subject: [85301] 160mtr contest
Message-ID: <4.3.1.2.20001202164005.00a69520@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

If anyone is looking for some laid back contesting, get on 160 if you can over the weekend. Good practice on those new contest programs. No speed maniacs, 20wpm or less. After all, most spend hours calling at the end with no responses, so no use driving off folks with uncopiable buzzes. The K2 is superb contest machine. Hope to see you there. 73 Roy AB7CE

Date: Sat, 02 Dec 2000 10:01:48 -0700
From: Ray Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [85302] Re: Change of QRP ARCI Awards Manager
Message-ID: <3A292AFC.1DBF481E@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to take this opportunity to thank
Steve, N4EUK for his efforts as Awards Manager for
ARCI. Steve, you did a first class job, with an
amazing response time and I am sure fitted in
amongst your other duties. As a recipient
of some of your work - THANKS.

73
Ray
--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso,(FAR WEST) TEXAS

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Date: Sat, 2 Dec 2000 12:11:58 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [85303] Re: Change of QRP ARCI Awards Manager
Message-ID: <20001202.121300.-340707.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Steve

Being modest, Ray understates, of course...
U ban the bestest to deal with... and even done some 1st time thingies...
done all with class... upper class...U will be missed...
enjoy the new freedom and go crawfishing now and then

kella joel
in maine
one displaced cajun...

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 2 Dec 2000 09:35:21 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85304] Re: CQ Delaware and Wyoming...
Message-ID: <002901c05c86\$3fa00a80\$79c2b3d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Boy, if you find any, let the rest of us know, Steve.
They are very hard to come by.
73, Bob N6WG

Date: Sat, 02 Dec 2000 09:43:13 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: n6wg@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85305] Re: CQ Delaware and Wyoming...
Message-ID: <3A2934B1.EF81E19B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Tellefsen wrote:

>
> Boy, if you find any, let the rest of us know, Steve.
> They are very hard to come by.
>

Maybe they are all South for the Winter :-;

```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
```

<p>
I have learned a few lessons and welcomed the feedback from those that took the time. I will have another opportunity to take the lessons learned and apply them next Thursday to hunt # 14. Let me know if you think you were in the log but don't see your call or I have something wrong.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

When my memory went South, I was getting error messages about corrupted Registries, IOS faults and inadequate memory. Somewhere in all of this, the Registry ended up with a line in the IOS folder that said noide, and the dumb O/S couldn't find the IDE devices properly (Do I have this correct, Tony?)

Deleting the line, and rebooting allowed WIn95 to "find" the device (CD-ROM deck), and all is now fine.

Now onto all of this nifty digital stuff for the QRP rig(s) and EZNEC 3.0 for my Spring 2001 antler projects!

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 30 Nov 2000 17:37:23 -0200
From: "Heimo J. Lyden" <sm6lod@golfinho.com>
To: qrp-l@lehigh.edu
Subject: [85308] OT: QRP and Brazil
Message-ID: <4.1.20001127102612.00946d70@mail.golfinho.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I fully agree with Gerry. The meeting was a real nice experience. And I gained a lot of new friends. As Gerry mentioned they were very impressed by our K2's and DSW's, even though the only antenna we hooked up was a dummy load (to preserve the finals). I have to check how much it would cost to import kits to Brasil. I hope it is not like cars, where you have to pay 200% in import

taxes. But there certainly is an interest. I got three QRPP magazines from Gerry

and found them very nice. Now that I have read them I will hand them over to some local hams here in Campinas. I will certainly subscribe in the future and my check will be on its way any day now.

I never thought that I would build and install the 160m option in my K2 but a few

of the guys were very much into 160m. I have never worked this band, mainly because

I never had enough space for a good antenna. But that might change if I find a good house.

No, I did not go for PY2ZHL. Instead I decided for PY2ZOD (keeping part of SM6L0D). These two last letters are too much in my fist by now and I find the rhythm more to my liking. I did not take PY2ZAZ since Arjen might want to visit

Brasil in the future :-)

There is actually no test to obtain a brasilian license. I just needed copies of

my passport with visa, my Swedish license and to run down to the bank and pay R\$50 (abt US\$ 25), take copies of the bank receipt (xerox at an optic shop nearby). The whole procedure took about two and half hours, due ot that the lady

was not very familiar with the procedures. But I walked out with a certificate and

a license valid for six years.

If anyone plans to visit the state of Sao Paulo and obtain a license I am willing

to assist with further information. As Anatel is a federal agency I suspect that

the same rules apply to all states.

I would also like to take this opportunity to thank Gerry's XYL Sandy for all the

help while I was in Sao Paulo.

I still have to make my first QSO with my new signal. I have a makeshift dipole on the balcony facing north. During the weekend contest I heard almost the whole world. I am not a contester and was quite happy to listen to others. The last few days it seems that the condx have been quite bad.

But I do hope to work some of you in the future.

73

Heimo PY2ZOD SM6L0D

Campinas, SP

>Well gang, Heimo (SM6L0D) and I had a superb visit with a group of hams at a
>local pizzeria last Tuesday night. The magazines, especially the QRPp, were
>a big hit and you could tell who the builders were in the group!

Date: Sat, 02 Dec 2000 12:48:00 -0600

From: "Chuck Carpenter" <w5usj@globeco.net>

To: marion@montana.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [85309] Re: 160mtr contest
Message-ID: <3.0.2.32.20001202124800.0069d200@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yep, really nice.

I listened this morning from about 1100 to 1300. Practically no noise on the band. The CW speeds were comfortable too. Should have given it a try -- would be a nice event to work in. Only QRP'er call I heard at about 1818 kHz was N4BP. Good signal here at this QTH on my Butternut vert.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Wed, 2 Dec 1998 11:06:31 -0800
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: <qrp-1@lehigh.edu>
Subject: [85310] Aaaaogah, Aaaaogah, Aaaaoooga: Error In Iowa QRP 10 Schematic
Message-ID: <004501be1e26\$dfdac6c0\$75bdc03f@DougHendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike Fitzgibbon emailed me last night and there is an error in the Iowa QRP 10 schematic that was in QRPP Fall 2000. Ok, guys here it is.

Find R4, which is a 5K RF Gain pot. It is right next to U1. There was a wire left off the wiper to the bottom end of the pot. In other words, draw a line from the right angle of the wiper to the bottom of the pot, and connect it. Here is what Mike had to say:

"Doug,

 The missing line on the schematic is very necessary...it also grounds pin 2 thru cap C9...if this connection is not there it will not work...it isn't optional Doug, as you seem to suggest... I don't care what these other guys are telling you...for real my friend...

Mike"

So Jim and Chuck, be forewarned. Also feel free to email Mike if you have questions. 72, Doug

Mike's email is:

mfitz@uswest.net

Date: Sat, 2 Dec 2000 13:39:11 -0600
From: "Michael Melland" <badger@vbe.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <njqrp@njqrp.org>
Subject: [85311] Electronics software/data page...
Message-ID: <001601c05c97\$8c387060\$0e824d40@0019896170>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry if this was posted here previously. I saw the announcement on an electronics newsgroup and thought I'd pass this site along, can't remember seeing it posted here. Pretty useful stuff.... check out the software page and data...

<http://www.p5taylor.btinternet.co.uk/default.htm>

72/73 de Mike

--
Michael Melland, W9WIS
Winneconne, Wisconsin USA - Grid EN54pc
QRP-L #1656 - QRPARCI #9875

Date: Sat, 2 Dec 2000 14:44:06 -0500
From: n4qa@juno.com
To: qrp-l@lehigh.edu
Subject: [85312] MSS PSK31 project test results (or, think I'll invest in a psk-80 :) longish
Message-ID: <20001202.144411.-237123.0.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi, gang.

I've spent parts of the past few days experimenting (playing, according to She who rules the roost) and analyzing the results.

First, thanks to all who offered assistance or advice, but, most notably I include:

George, W5YR, who offered an opinion beforehand (and a correct one, at that:) on the probable outcome of my experiments.

Charles, W3KC, who made me a great deal on the FMX modulator module.

John, N3AAZ, who donated TWO 6SG7 tubes.

Bob, W7AVK, who donated TWO OD3/VR-150 tubes and a BRAND NEW HS-16A headset, still sealed in its original 1966 MIL-B-131D CLASS 2 FOIL PAK ! (a story in themselves) !

I owe you all !

Ok, the setup:

Transmitter = Meissner Signal Shifter, model 9-1090 (identical to model EX, less one VR-75 tube)

with optional FMX phase modulator being driven by Pentium PC #1 running DigiPan 1.5 .Two watts out to Heathkit Antenna.

Receiver = Kenwood TS-440S located ten feet from transmitter... RG8X from TS-440S terminated in separate 50 ohm resistor and laid a few inches from the Antenna.

TS-440S headphone audio out to Pentium PC #2, also running DigiPan 1.5 .

Gonna cut right to the chase so as not to make this too long.

The MSS produces TWO of the most beautiful PSK31 tracks I have ever seen PLUS the carrier is still there :)

The tracks exist, one each, 2.4 kHz above and below the carrier frequency.

Tuning the TS-440S above and below the carrier frequency, DigiPan revealed additional sidebands but they were EXTREMELY weak, relative to the PSK31 sidebands. Best I can figure... I had the whole affair adjusted for Modulation Index = Deviation Ratio = 1.

The lion's share of the output power remains in the carrier, leaving, I imagine, a couple hundred milliwatts, at most, in the PSK31 sidebands.

The receiving PSK31computer (PC#2) had perfect copy of the transmitted text and, at idle, gave an IMD reading of approximately -18 dB.

Now, I don't expect that FCC would take kindly to my using, on the air,

this double PSK31 sideband + carrier rig... especially below, say, 29.5
mHz...hmmm, that gives me another wacky idea...
Well folks, that's my story and I'm stickin' to it ! ;)
73-1,
Bill, N4QA

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Date: Sat, 2 Dec 2000 06:52:17 -0800
From: "K7FD K7Low" <cqdx@teleport.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [85313] K7Low Sunday @ 2000Z
Message-ID: <003901c05c6f\$77d13b20\$6c231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

K7Low, QRPacific QRP Club, will be active this Sunday during the QRP ARCI
Holiday Spirits Homebrew Sprint 2000 - 2400Z. Rig will be a Wilderness
SST...20 meters only. Hope to work you! All contacts will receive the new
K7Low jet black n' yellow QSL card...

73 John K7FD, K7Low
QRPacific QRP Club <http://www.teleport.com/~cqdx/qrpclub.htm>

Date: Sat, 2 Dec 2000 16:31:37 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Chuck Carpenter <w5usj@globeco.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85314] Re: 160mtr contest
Message-ID: <Pine.3.89.10012021652.C9922-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Dec 2000, Chuck Carpenter wrote:

>

> I listened this morning from about 1100 to 1300. Practically no noise on
> the band. The CW speeds were comfortable too. Should have given it a try
> -- would be a nice event to work in. Only QRPer call I heard at about 1818
> kHz was N4BP. Good signal here at this QTH on my Butternut vert.

>

I was running 1500W. Impeach N4BP! :-)

Extremely noisy down here in the swamp. Summer-like static, must have
been some major storms fairly close. No EU last night and only about
five west coast stations. Big disappointment but maybe tonight will be
better...

73,

Bob Patten, N4BP

, ' ' ' ,

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

QRP ARCI #3412

FISTS #7871

ARS #799

SOC #1

Whiners #6

Date: Sat, 2 Dec 2000 21:50:58 +0000

From: Larry S Cahoon <wd3p@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [85315] Re: CQ Delaware and Wyoming...

Message-ID: <20001202.215104.-429215.0.wd3p@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

> Boy, if you find any, let the rest of us know, Steve.

> They are very hard to come by.

>

I must be lucky -I have DE in the log eight times this year. All QRP from
5 Watts down to 50 mWatts, picked three in the CW Sweepstakes last
month.

WY isn't so bad either. I've got them in the log nine times this year -
Seven of them QRP. I picked up all those county hunting from guys
driving through the state. Plus from my trip to TN last month running
counties along the way (50 Watts - these QSOs are from them not me) I've
got W7TSM in the log 13 times. He was almost certainly in WY then. I
only need 4 of the 23 counties in the state to have them all QRP - anyone

want to head out to Crook, Lincoln, Sheridan, or Sublette county?

Seriously, if you are looking for states the county hunters freq. (14.056.5) is a great place to find them. If you want a QSL the guys do expect a SASE, but you are almost certain of getting a card back. This is the norm, else these guy would go broke - I've got requests to confirm 130+ QSOs in the last month from the group - most of them were from my four days on the road to TN and back. The group does not think in terms of rare states. They care about rare counties.

73 de Larry.....WD3P
<http://www.qsl.net/wd3p>

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Date: Sat, 02 Dec 2000 15:30:41 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: n4bp@bc.seflin.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [85316] Re: 160mtr contest
Message-ID: <3A297811.ABFA3A48@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob,

Similar conditions out here in the west. The band had a continuous S8 to S9 noise level that never let up. I pulled the plug at 2:00 AM (local) when my QSO rate dropped to near zero. I had worked everything I could hear. Oddly, there was deep fading as well; something 160 is usually void of. Most of the east coast stations that I worked were barely above the noise level. I have to hand it to the 160 op's they really make an effort to pull you out.

I am not running QRP in the contest; I am in the low power category. My small vertical, a 45-foot top-loaded affair, is not nearly as efficient as a full-size antenna. QRP with a low efficiency antennas is like running QRP-squared. Two QRP stations that I did work (they are usually QRP) were N7IR and WA7LNW.

Hope to work some more QRP op's tonight. I'll do the full night tonight if the conditions and QSO rate makes it worthwhile.

Regards, Thomas - AC7A (Tucson)

Bob Patten wrote:

> I was running 1500W. Impeach N4BP! :-)
> Extremely noisy down here in the swamp. Summer-like static, must have
> been some major storms fairly close. No EU last night and only about
> five west coast stations. Big disappointment but maybe tonight will be
> better...

>
> 73,
>
> ' ' ' '
> Bob Patten, N4BP (0 0) Plantation, FL
> -----o00o-()-o00-----
>
> E-Mail: n4bp@bc.seflin.org
> Web Page: http://www.qsl.net/n4bp
> Brass Pounder BBS: (954) 472-7715
>
> QRP ARCI #3412 FISTS #7871 ARS #799 SOC #1 Whiners #6

Date: Sat, 2 Dec 2000 16:05:14 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [85317] Kenwood TS-50 Service Manual
Message-ID: <Pine.LNX.4.10.10012021557360.1711-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My ts-50 radio has stopped working on frequencies below about 12 mhz. I think all my mobile use of the radio has caused things to become de-tuned. If you happen to have a Service, not User, Manual for this radio I would like to use it and maybe get a few pages copied at Kinko's. The tune up procedure is step by step and you must do it like they show in the book. Otherwise it will stop working at all!....:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 02 Dec 2000 15:57:37 -0800
From: Wes Hayward <w7zoi@teleport.com>

To: qrp-l@Lehigh.EDU
Subject: [85318] Re: RF Power Measurement with an Oscilloscope
Message-ID: <3A298C71.268E4818@teleport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,
Transmitter evaluation with an oscilloscope is a recurring theme on
QRP-L. I just added a note on the subject to my web site. See this at
www.teleport.com/~w7zoi/ and that ~ is a tilde, not a dash.

73, Wes, W7ZOI

End of QRP-L Digest 2024
